## WESTERN ARMORY.

Extracts from the Report of the Commissioners appointed to select a location for the Western Armory.

Our readers will recollect that in November, 1841, the commissioners appointed by the presited this section and spent several days in making above the town of Ottawa. examinations. Up to this time we have been unextract such portions as are likely to interest the above, by the line of the canal. mass of our readers. By the following it will be ration of the commissioners:

SITE AT PERU, ON THE ILLINOIS RIVER. vicinity is that afforded by the Illinois and tioned, opposite the town of Ottawa. Michigan canal, which has its southern termination at La Salle, immediately above

The entire length of this canal, from Peru to Chicago, is ninety-six miles. Its summit level, which extends from Chicago to Lockport, --- miles, is supplied

with water from Lake Michigan. level last mentioned, it is the purpose of river, adjacent to the rapids. ly, there will remain but very little water | 000. to be detived from the canal at Peru, is minute. altogether fallacious.

ly estimated; some say that it is twenty, feetiothers twenty-four, and others again at twenty-six feet. We were credibly in- low water, at Ottawa, is 13 feet. formed, by one of the canal engineers who had paid particular attention to the subject, that its ordinary range might be 24 feet. stated at twenty feet; and that an extreme is not unfrequently the case, is twenty-tour to twenty-six feet. In either of these events, the water power at the levels above the first and second locks, both of which are situated at the southerly termination of the canal, will be nearly or quite neutralized during the continuance of extreme high water.

The board, being satisfied that a water power adapted to the purposes of an armory could not be derived from the canal directed their inquiries to a natural waterfall a few miles above Peru, called the ing information concerning the same :

Mr. Woodworth, late an engineer in sideration. the service of the state, kindly furnished the following results from surveys executed under his special direction,

Length of Vermilion rapids, 5 miles. Aggregate fall in this distance, 72 feet.

be entirely neutralized. Again : agreeably to intelligence recei- board. ved from the same gentleman, the aggreby land being sixteen and by water benineteen feet. Of course the efficient water power of the river, throughout that

ralized during extreme high water. In reference to the canal above mentiontransverse dimensions are as follows,

Width at surface water, 60 feet. Width at bottom, 40 feet. Depth of water, 6 feet.

Estimate cost of entire canal, ninetyfour millions; required to complete the of Fox river: canal, between four and five millions.

Having been thus fully convinced that a the requisit uninterupted water power | Natural fall of rapids, in low water, 10 clay of a good quality is abundant. a geough not be obtained, either at Peru or feet. any other point between that place and Dam at head of rapids, (head of water,) Illinois river, and of the Vermilion, Fox. ered by ourselves a probable point of at- appearance of a "sick nigger." Mr. C. with water. In these days men sleep with Ottawn, the board proceeded to Ottawn 5.6 feet.

for the purpose of examining a site at which a water power derived from Fox mill, three stories high, with six run of horizontal strata, at a depth varying from force in position, to defend the armory ly, watched his movements. river might be available.

The water power at this place must be Manufacturing Company. dent of the United States to select a suitable local derived almost exclusively from Fox riv-

The transverse section of feeder is as

Width of water surface, 22 feet. Width of bottom, 10 feet.

Depth of water in feeder, 4 feet.

Minimum quantity of water discharged from Fox river, said to have been determined by admeasurement, thirty-seven of the tracts before mentioned. The lockage water from the summit thousand three hundred cubic feet per minlevel in operating machinery at Lockport, ute. Of this quantity, one-fourth is own- these rapids is probably about double nity. Their depth below the upland surtogether with the low-water tribute afford- ed by Messrs. Green & Stadden, who that afforded by Fox river. The char- face varies from fifty to one hundred and ed the Des Plains river, are relied on for have mills now in operation at the head ter of the Marseilles Manufacturing Com- fifty feet. the supply of the canal between Lockport of the feeder; snother equal quantity pany secure them the privilege of erecting and Marseilles, at which commences a (viz: one-fourth) in the right of the state, a dam seven feet high at the head of the by 1 minous shale and carboniferous lower reach of level, supplied mainly by and is to be applied not only for the sup- rapids, instead of five feet and a half, its limestone. In several instances, however, Fox river. From this level the canal ply of the Fox river level, but for opera- present height. Hence, the aggregate within the valleys of the streams, they passes downwards by four locks and ting machinery on a large scale at the head and fall in low water will amount to have been found near the surface of the Why it has to be filled Gaily!" three suscessive levels, all depending for town of Ottawa; the remaining two- seventeen feet. their supply of water mainly upon the fourths of the water of Fox river belong lockage water derived from the Fox river to a company in New York, who are pos- will back the water of the river nearly or less sulphur, which prevails in many inlevel. At Ottawa, in the vicinity of the sessed of the land on the cast side of the quite to the mouth of the Kankakee, a

the state to withdraw from the canal (viz: Messrs, Green & Stadden offer their from the Fox river level) all the water that privilege, together with all their improve- 13 feet. can be spared, for the purpose of operat- ments in mills, &c. and 460 acres of land, ing machinery at this point; consequent- including the dam, feeder, &c., for \$150,- high water will be 4 feet.

for the supply of the lower levels, except. The quantity of water required in the river levels as lockage water, all of which absorption, and evaporation, will amount the Grand rapids, 19.58 feet.

any considerable mechanical operations, the dryest season, to 9,325 cubic feet per Aggregate natural fall of Illinois rive

The aggregate descent from the sur-Moreover, the range from extreme low face of the Fox river level to the low-wato extreme high water, at Peru, is various- ter surface of the Illinois, at Ottawa, is 37 ry at this place is a portion of an undula- the lightest draught.

The quantity of water (with this fall of

ubic feet per minute. 175 horses being required for the purpose before mentioned. of an armory, and this power being fur-

By extinguishing the claim of the New

about a mile below the town of Ottawa, is underlaid with calcareous sandstone, power sufficient for all the purposes of an and extends downward a mile or more on in a horizontal strata, which is every armory can be obtained. The last of the Illinois river, embracing the entire where found a few feet below the surface these two positions, however, is decidedly area situated between the Illinois and of the ground.

The site occupies a portion of a beautigate fall from Ottawa, to Peru (the distance ful plane, of a slightly waving aspect, extending from the mouth of Fox river tween eighteen and twenty miles) is only downwards several miles. It is elevated considerably above the reach of the high-

ferous slate, resting upon the lime stone.

SITE AT MARSEILLES, ON THE ILLINOIS

vards.

stones, also a saw mill connected with one to twelve feet below the surface. the same, are the property of an associa- The uplands contain beds of compact becoming the theatre of war. SITE AT OTTAWA, ON THE ILLINOIS RIVER. tion of gentlemen called the Marseilles clay, and occasionally stone, at a depth

tion for the contemplated Western Armory, visi- er, which enters the Illinois immediately sell their water privilege, which embraces dant. Bur, red, white, and post oak, the entire water power of the lilinois at white ash, black walnut, sugar tree, ma-The Fox river level, which has an ex- these rapids, for the sum of \$125,000, ple, black locust, white walnut and hickoable to procure a copy of their report, and we are tent of about ten miles, reaches from a together with such additional compensa- ry, are the principal growth of the country. now indebted to the posteness of Mr. Swirr of point about three miles below Ottawa to tion as may be awarded by suitable refe- Of these several varieties of the oak, the this place, for the privilege of examining it. We Marseilles which is about seven miles rees for the mills now erected thereat, sugar tree, maple, black and white walwhich are to be valued at a rate not ex- nut, are sawed into lumber, and sold at This level must also be supplied by wa- ceeding their actual worth or cost, inde- the rate of about \$20 per thousand, boad seen that La Salle county contains at least two ter from the Fox river, which is to be pendently of the water power; or he is measure. locations worthy the favorable notice and consider conveyed through a feeder about five willing to sell a portion of the water powmiles long, commencing at the head of er and privilege, reserving for the compa- is brought from a great distance, and the lower rapids of Fox river, and ter- ny only a sufficiency of the water to oper- costs about \$30 per thousand. The water power contemplated in this minuting in the ten-mile reach before men- ate the mills now erected, for the sum of \$100,000.

within three quarters of a mile below the Illinois, from the mouth of the Kankakee mill, and situated between the canal and downward to the Mississippi river. It is the river, for \$25 per acre. It is believ- found in beds or veins, varying in thicked that other tracts, sufficient to cover the ness from one to five, and occasionly to entire area required for an armory, can eight feet. be obtained on fair terms in the vicinity

A dam of the height just mentioned distance of fifteen or twenty miles.

Hence the pitch at the dam in extreme

Elevation of Fox river level (which commences at Marseilles) above the low what may be drawn from the Fox Fox river level, on account of leakage, water surface of the Illinois, at the foot of

Elevation of Fox river level above the

tory plain, situated below the village of As this river however is a sluggish Range from extreme high to extreme Marseilles, and between the canal and II- stream from Peru to its mouth, (its bed linois river. An area of about 320 acres having only the minimum declivity re-Aggrigate descent in extreme hegh wa- may probably be obtained at a rate not ex- quisite to the production of a current,) er from surface of canal to face of river, ceeding that before mentioned, viz: \$25 the obstacles last mentioned will no doubt

range, especially when the river below 24 feet) required to furnish a power equi- by procuring an equal or greater number tion of a copious supply of water from happened to be gorged with ice, which valent to that of 175 horses, is 5,860% of acres of land on the south side of the Lake Michigan. river, directly opposite to the former, at a The bed of the Illinois river, from Peru Hence a power equivalent to that of price per acre considerably less than that to its mouth on the Mississippi, is remark-

nished by water from the Fox river fee- contemplated, may readily be connected ted, authorising the conclusion that Lake der, there will remain for operating ma- by a bridge across the river, at or near Michigan and other lakes above the falls hinery at Ottawa 3,458] cubic feet per the foot of the rapids, about 400 yards of Nugara once discharged their waters

The water may be conveyed from the co. York company, or even that of Messrs. dam, at the head of the rapids, in a race Green & Stadden, to their portion to the leading downward on the north side of the water privileges, that of the former being river, about three-fourths of a mile, supattainable at a fair price, the amount of plying a range of factories or workshops linois river, that at Ottawa, near the Vermilion capids, and obtained the follow- water power at this site will be amply situated at and below the foot of the rap- mouth of Fox river, and another at Marsufficient for all the purposes under con- ids, and between the race and the margin seilles, eleven miles above, are the only of the river.

Extreme range at foot of rapids, 20 Michigan canal and the Illinois river. The ground on both sides of the river the power is taken from the river itself. The extent of the area and other particu- is elevated considerably obove the reach with the entire control of both shores to Extreme range at head of rapids, 13 lars respecting the site are expected in a of the highest freshets. On the south any desirable extent, while the power at communication and drawings from E. B. bank in particular, a beautiful plain pre- Ottawa is to be derived from the canal. Hence the water power at the Vermil- Talcot, Esq., civil engineer in the state sents itself, upon which all the necessary with all the inconvenience of an entang- from the rats or evaporation, I must only ion rpids, during extreme high water, will service of Illinois, agreeably to overtures buildings could be displayed to great ad- ling alliance with a state institution

in abundance, is to be found in numerous of water to clear out the canal, &c. locations in this section of the country.

gan canal has been constructed of stone gation, by low-water in the summer, and not give him some decoction to mix with entire distance, will be completely neut- healthy, and possesses a productive soil. highly recommendatory, not only of the vanced, and, it is believed, with stronger its color or taste, would prove less agree-Beneath its surface, at various incon- material, but also of the workmanship, reason against these two positions than able to Sampson's system than the pure siderable depths, are beds of limestone in The limestone contains a considerable against those on the upper Mississippi. Monongahela. The apothecary told him ed, it may be further observed, that its horizontal strata, accompanied in many portion of silex, but slakes well after cal- Again, these points are within eighty- he could; and, on the Taesday before places by bituminous coal and carboni- cination, and, with nearly equal propor- five miles of Lake Michigan, with a plain last, he furnished the required preparagood mortar.

abundance. The sandstone of this part below, being also very inconsiderable. A were introduced into whiskey. To give This locality is situated at or near the of the country is generally friable and un- large manufactory and store-house of arms. Sampson a better scope, when he returnsix miles, about eight millions of dollars; foot of the Grand rapids of the Illinois fit for masonry. Sandstone of a reddish thus exposed might, in the event of hose ed, his master went out and stayed away already expended, between three and river, about seven miles above the mouth complexion (ferruginous sandstone) has tilities, invite an attack from Canada; and long enough to give the sample-tasting elephant. It is like it in one particular at been found on the south side of the river, it might not be altogether secure from de- Sampson full play at the bottle. When least-it has spouted a great deal of mud-Length of Grand rapids, about 900 opposite Peru, which is said to be well struction by a combined force of British he returned, he noticed a strange and pe- dy water .-- Coos Dem. adapted to the purpose of building. Brick and Indians, organized in advance, and cultur rolling of Sampson's eyes; his lips

of a few feet below the surface. Fire The agent of the company offers to clay of a good quality is said to be abun-

Stone coal of a good quality has been discovered in various localities in almost He moreover offers 130 acre of land, every part of the country drained by the

The strata that have been laid open are generally situated above the water The low-water supply of the Illinois at table of the plincipal streams in the vici-

These veins are generally surmounted ground covered by a stratum of soil only.

The coal generally contains more or stances to an injurious extent.

From a cursory view of the country Extreme range at foot of rapids, about between Rock island and Peru, it appears that the proportion of prairie to woodland is about seven to one, not more than onceighth of the entire surface being covered with a growth of timber.

The soil appears remarkably rich, and in situations where it has been cultivated, gives evidence of exceeding fertility.

will be required for the supply of the locks below. Hence we may infer that any dependence upon a water power for ane-fourth of the river, will amount, in head of the Grand rapids, 2.58 feet.

Elevation of Fox river level above the crest of a dam seven feet high, at the head of the Grand rapids, 2.58 feet. The navigation of the Illinois river is the first of December to the first of March. from head of Grand rapids to Ottawa, During a dry season it has a low-water depth of about two feet on the bars, and of The site most appropriate for an armo- course is then navigable only for boats of

in some degree be remedied, upon the This area may be enlarged at pleasure completion of the canal, by the introduc-

ably straight; and in its broad and ocep These two portions of ground, as above valley, evidences are every where presenin this direction towards the Gulf of Mexi-

## GENERAL REMARKS.

Of the several sites examined on the Iltwo that deserve to be mentioned in this The site here contemplated commences | The site on the north side of the river place. At both of those points, water to be preferred, and for the reason that Limestone of an excellent quality, and breaking of dams, the annual drawing off cork it or not.'

The masonry of the Illinois and Michi- terrupted navigation and suspended navi- sample bottle, and asked him if he could Hydarulic lime has been found in around, and on the shores of the Illinois his absence the obnoxious ingredients The bottom lands of the valley of the of war. It would, at any rate, be considered and all the singular characteristics in his ring the dogsdays, to sleep on skins lilled

The dam, together with a large flour- generally underlaid with sandstone, in a quire that we should keep a large military though appearing not to notice him, closeand prevent this section of country from

> From the New Orleans Piczyune. The Way to Make a Tectotaler.

Ecaporation, its power-or, the ingenuity of tippling Rats.

Mr. C., commission merchant of this city, is known as an extensive holder of Western produce, and his stock is not a gone nigger—oh! a-h! o-o-h!' more noted for its variety, than for the sukeeps on hand. His per centage on the sale of Monongalicla whiskey through the els. year would, by a man of moderate notions, be reckoned a liberal income. Custom- oh! ec! ali! o-o-ali! massa, Pse a gone ers came so quick to purchase, that, to save the trouble of too frequent a recurrence to the barrel, he has been in the habit of keeping a sample bottle in the store, house, and his color changing like a dyalways full, or partially so, for their trial and inspection. He had found for a long time that the contents of the sample bottle said his master. decreased very rapidly, daily, and in a manner, at first, very mysteriously. He soon learned, hawever, that "Sampson, he tried the strength of the Monongahela oftener than the whole of his customers. Desirous to know if his conscientiousness, he said to him on Monday night, deadliest quality. "Sampson, how is it that the whiskey in the sample bottle diminishes so fast?

·Clar go, massa, I does'nt know,' said Sampson, looking as serious as a converted sinner at a camp-meeting, but I thinks, massa, it is carried off by de prin- he was 'as good as new.' serples ob wot white folks calls 'wapora-

O, you do, Sampson!' said Mr. C. I does, sartin, massa, said Sampson, had taken the pledge from father Mathew. 'cause I tells you dat ere 'waporation's right strong; gosh, it aint left a drop o' hard eider in de country. I tink it's dat wot makes de whiskey so searce, and not

tight as to prevent evaporation.'

'Es, sa, said Sampson,

folks, I tell your'

siety as I knows on.'

Now, does you tink as how dem ere rats pers .- N. Y. Sun. wot you sees 'bout de store, and wot's so much in do cabaret at de corner-does you tink, I axes, dat seein' so many takin' julips on de suction princerple, dat Wal, I reckon dey does, massa.'

'Well, then, Sampson,' said Mr. C., if the sample bottle can neither be preserved submit to the loss, and fill it whenever it

Mr. C. told an acquaintance of his, an the amount of poulation immediately rand in the early part of the day, and in immediately put forth on the declaration were the color of stale venison, and he Plutarch says the Babylonians used duand other streams in this vicinity, are tack; and military propriety would re- managed to keep him pretty busy, and al- their skins filled with alcohol-

'Wo!' he'd shout, raising his leg up against his stomach, but still endeavoring to conceil his pain from his master, and again he would exclaim, 'ah! e-ceh! wo-o! goramighty!' and he would brace his belly round with his hands and arms. At length, finding himself growing worsethat there was no chance of the pain abating, he threw himself on the floor and

·Why, what's the matter Sampson? periority of the several articles which he said Mr. Cr., appearing to be suddenly astonished at the state of Sampson's bow-

roared out, 'O, massa, massa, dis child's

'Oh! massa, massa,' said Samnson. chicken, ah! ce!' and he wrinkled about on the floor like a pea on a hot gridle, his eyes revolving like the beacon of a light

ing dolphin. 'Why, what's the matter with you?'

·O. I deesn't know, massa,' said Samp. son, but I guess I'se got the Tyler grippe, and de inquenzar, and de black womit, the negro who stayed in the store, was and all the oder plaints in general, and any thing but a Washingtonian, and that 'tick'lar on the high pressure, roarin' riber princerple-oh! ah!

The master offered Sampson a drink Desirous to know if his conscientious-ness were as large as his alimentive-turned from it as if it were poison of the

'O, I see how it is,' said Mr. C., the has been drinking the whiskey that I had impregnated with poison to kill the rats.' Sampson, in lugabrious tones, confessed that he had. A dose of castor oil was administered to him, and in a short time

Since then, neither the rats nor evaporation interfere with the sample bottle; and Sampson is as strict a tectotaler as if he

## A Notion on Newspapers.

A thousand times we have heard this question and answer :- Two gentlemen de temperance movement, as dey calls it.' meet. 'What's the news?' asks one. 'Well, then, Sampson,' said Mr. C., 'Nothing but what you see in the papers.' fill the bottle now, and I will cork it so They pass on about their business. Has it ever been noticed, that among the thousond benefits of daily papers not the He filled the bottle, his master corked it least is, that it does away at one sweep evaporation fight, and again it was placed with the tittle tattle, gossip, street yarn. on the shelf. Again on Tuesday morning foolish exaggerations, scandal and news it was found to have decreased considera- mongering, which once took up so much ly in quantity, and still more towards of the time of those who were always hearing and telling some new thing ! One . Well, Sampson,' said Mr. C., 'I real evil of social life is thus ended. The find the whiskey is still rapidly decreas- man rises in the morning, looks over the ing. How do you account for it now?" paper, and is satisfied that he knows all Wa-well, it be berry hard to 'splain, that is worth the knowing of the passing massa,' said Sampson, it be one ob dose histor of the world. He has nothing to sterious disappearances wot niggers can't tell and nothing to hear further. He 'cout for, and wat sometimes puzzles white does not spend his time in giving information which his neighbor knows as well as But what is your opinion?' said Mr. himself-he is not annoved in the midst of his business or pleasure, by the resital 'Wal-al, I tinks,' said Sampson, 'to of affairs in which he takes no interest. tell goramighty's truf, dat de rats be drink- The same with women. Curiosity is in' it, for dey has'nt joined de temp-rance gratified without loss of time. The scandal of the day has not employed a hundred 'Yes,' said Mr. C., but when it would busy, meddling tongues in its circulation get down as low as the centre of the bot- and exaggeration. Conversation takes a tle, how would the rats manage to get at it higher tone. Principles of morals and taste are discussed. The new poem, the 'Yah! yah! yah!' said Sampson, but, last book, the magazine, or the review uppressing suddenly his cachinations, he becomes the subject of conversation. Even dded, look heah, massa, I was just a in the miner matters of life, society owes goin' to say as how you was green, a large debt of gratitude to the news pa-

## Getting Blue.

"I'm a Washingtonian dyed in the wool," said a reformed drunkard at a temdey does'nt know de use of a straw? perance meeting in one of the towns of Massachusetts. Waking up at a late hour one night, after a severe carouse, he found himself suffering from intolerable thirst; and recollecting that his mother kept a pot of beer standing by the kitchen fire, he groped his way to the spot in the dara, kindly made by that gentleman to the vantage, and with every prospect of or canal company, including, probably, is empty. Fill it now, and leave it again and took a good hearty swig from a dish nay certain, suspensions of work by the on the shelf, and I care not whether you he found there. "Mother!" cried he at the top of his voice, his throat smarting with the taste, "what makes your beer so The same objections, on occount of in- apothecary, of Sampson's partiality for the sait?" "Go to bed, my son," answered the old lady, "you are so drunk that you don't know the difference between salt and est freshets, is considered comparitively of this sort, and exhibits an appearance by ice in the winter season, may be ad- it, which, while it would not visibly after sweet!" That may be true, thought our hero, and so he turned in again. In the morning he found he had drank out of the blue byc-tub instead of the beer pot, and his face, shirt, &c., were bandsomely colored. He had literally got blue. "Theretions of sand and hydrate of lime, form a country, very sparsely populated between; tion. Sampson was sent out on an er fore," said he, "Mr. President, I am a Washingtonian died in the wool," and nobody doubted it .- The Fountain.

The New York Tribune compares the mind of Henry Clay to the trunk of an